

## REMARKS

### 35 U.S.C. § 102 Rejections

The Examiner has rejected claims 1-3 and 5-8 under 35 U.S.C. § 102(e) as being anticipated by Chakravorty. Applicant submits that these claims, as amended, are not anticipated by Chakravorty.

Chakravorty describes a substrate 310 having vias 315 and 327 formed therein, as well as embedded capacitors 330. The substrate 310 has a basic layer 340 in the middle, and the capacitors 330 are formed on opposing sides of the layer 330 in the middle. What should be noted is that each capacitor 330 also has a dielectric layer 340 at the top and the bottom. The dielectric layers 340 of the capacitors 330 are of the same material as the basic layer 340 in the middle. All three layers 340 thus have the same dielectric constant.

Chakravorty thus fails to describe that the substrate 310 can have a basic structure with a low dielectric constant and capacitor structures on opposing sides, each having a dielectric layer having a high k-value.

Independent claims 1 and 5 now include the limitations that the base structure includes at least a portion having a low k-value and that the capacitor structures each have a dielectric layer having a high k-value. Independent claims 1 and 5 thus include limitations that are not disclosed or suggested by Chakravorty.

Applicant, accordingly, respectfully submits that claims 1-3 and 5-8 are not anticipated by Chakravorty, and respectfully requests a withdrawal of the rejections of these claims in view of Chakravorty.

Allowable Subject Matter

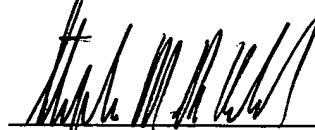
The Examiner indicated that claims 4 and 9 are objected to as being dependent on a rejected base claim, but would be allowable if rewritten in independent form, including all the limitations of the base claim and any intervening claims. Applicant has not redrafted these claims in independent form. However, some of the limitations of claims 4 and 9 have been included in claim 1, and claims 4 and 9 have been redrafted accordingly.

Applicant respectfully submits that the present application is in condition for allowance. If the Examiner believes a telephone conference would expedite or assist in the allowance of the present application, the Examiner is invited to call Stephen M. De Klerk at (408) 720-8300.

Please charge any shortages and credit any overages to Deposit Account No. 02-2666. Any necessary extension of time for response not already requested is hereby requested. Please charge any corresponding fee to Deposit Account No. 02-2666.

Respectfully submitted,

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Date: July 27, 2005

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